

**IN THE SPECIFICATION**

**Please replace the Abstract with the following Abstract:**

**ABSTRACT**

~~Exemplary embodiments of the invention include a~~ method, system, and storage medium for facilitating a transport scheme in an automated material handling system environment are provided. The method includes detecting an occurrence of a trigger event while monitoring production operations in an automated material handling system environment, identifying a materials candidate to purge from a production line in response to the trigger event, production data captured relating to the materials candidate, and user-defined criteria for purging materials from the production line. The method also includes selecting a disposition plan for handling the materials candidate, generating a transport process job for the materials candidate for instructing the automated material handling system on executing the disposition plan, and transmitting the transport process job to the automated material handling system for execution.